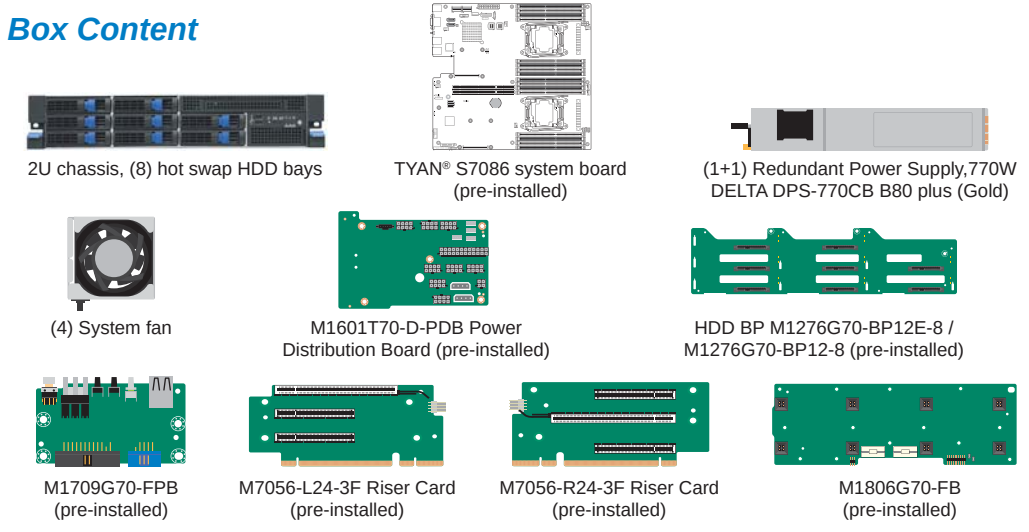


1 General Information

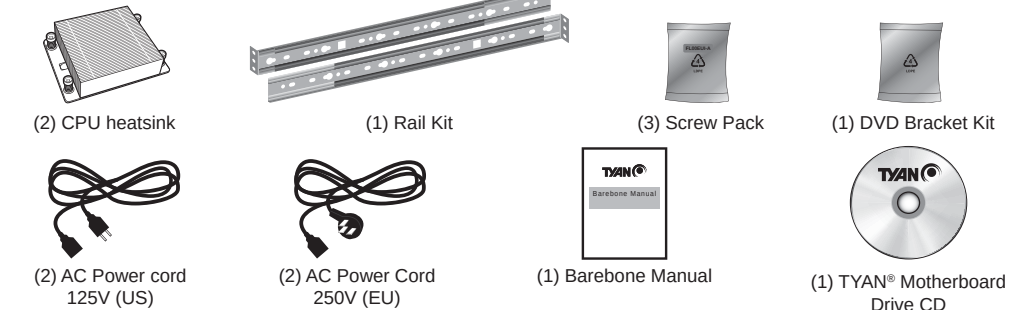
Read Me First

- 1. The Barebone User's Manual is available for download from our Web site at http://www.tyan.com. Make sure to read all precautions and instructions before you start installing the server system.
- 2. Refer all servicing to qualified personnel to avoid the risk of damage to the server system.
- 3. Exercise normal ESD (Electrostatic Discharge) procedures during system integration. TYAN/MiTAC recommends wearing gloves and an anti-static wrist strap to avoid possible damage to the equipment.
- 4. Current processor socket design places the pins on the motherboard instead of the processor itself. Exercise caution when installing the processors as the manufacturer's warranty does not cover damage inflicted upon the motherboard, including damage to the CPU sockets.

Box Content



Accessories



Required Hardware Components

Minimum Hardware Requirements
To avoid integration difficulties and possible board damage, your system must meet the following minimum requirements:
• Processor: Intel® Xeon® processor E5-4600 product family (Sandy Bridge-EP 45)
• Memory Type: Minimum of one 1GB, 240-pin DDR3 800/1066/1333-MHz DIMMs.
• Hard Disk Drives: 3.5" SATA/SAS HDD
• Rack Mount Kit (Industry 19" rack-mountable)
NOTE: The updated hardware requirements of the system please refer to the barebones user's manual on our website at www.tyan.com

Tools Required

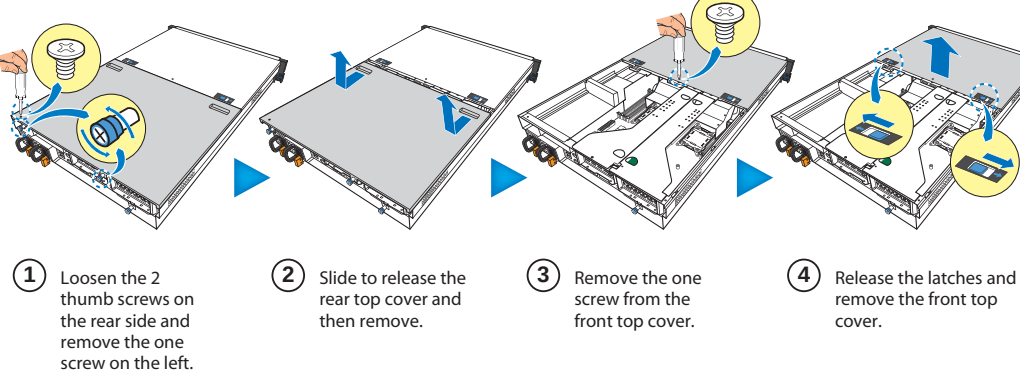


3 System Installation

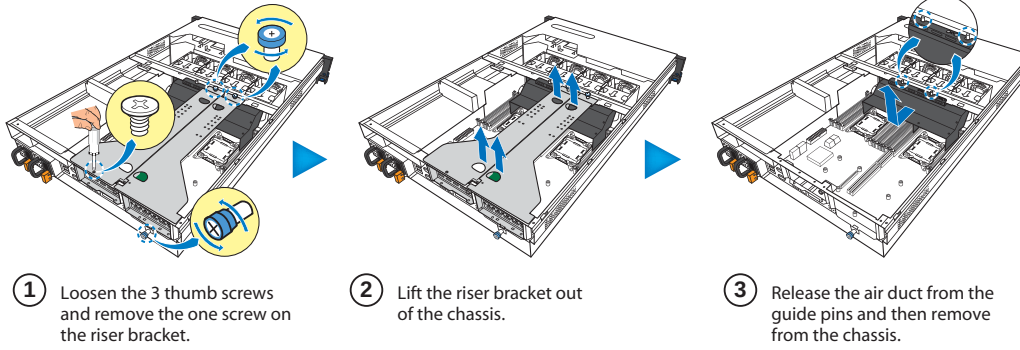


Open the Chassis

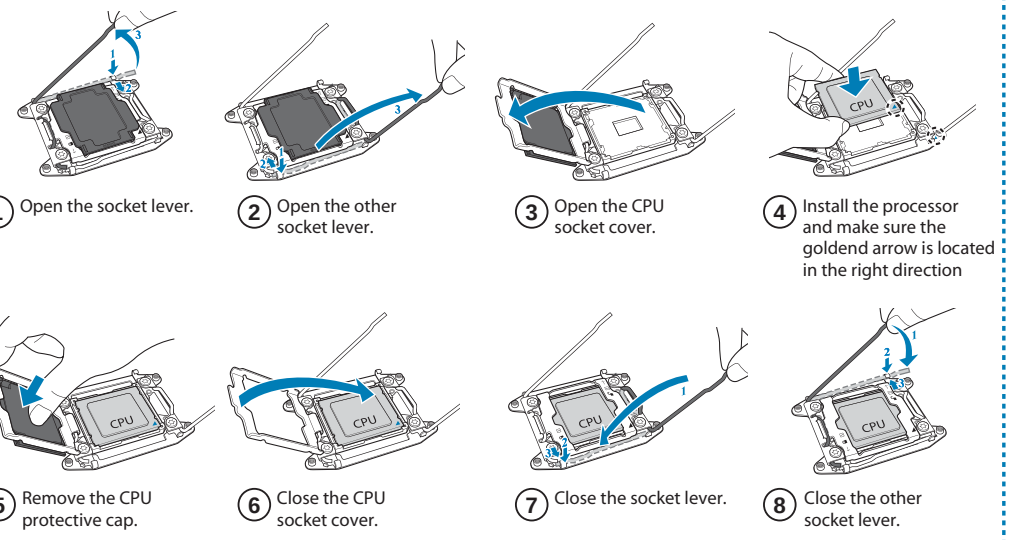
Preparing the Chassis
Read normal ESD (Electrostatic Discharge) procedures.
Place your TYAN® Server Chassis on a flat anti-static surface to perform the following integration procedures. Read ESD procedures before reaching inside to install components.



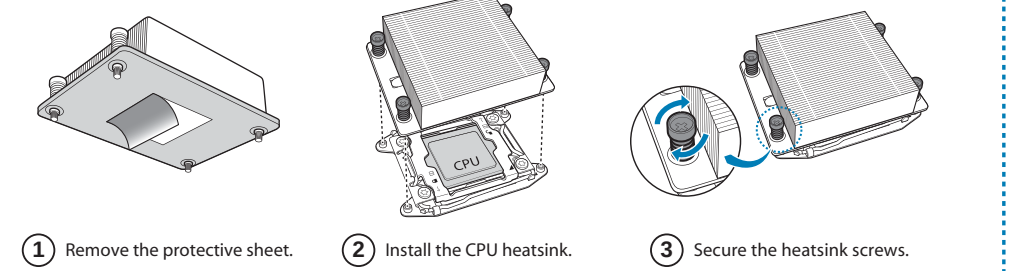
Remove the Air Duct



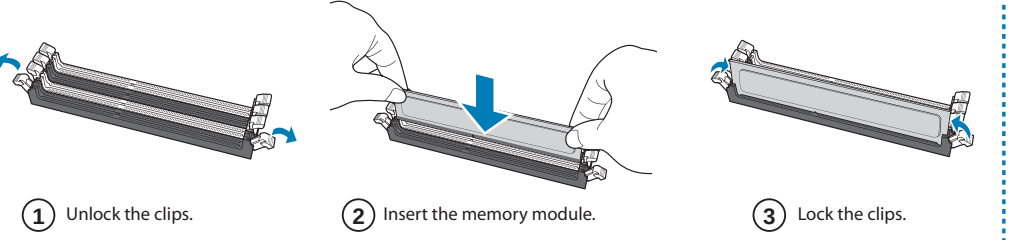
Install the Processor



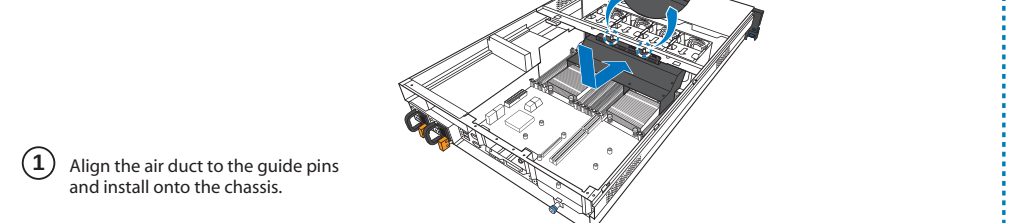
Install the CPU Heatsink



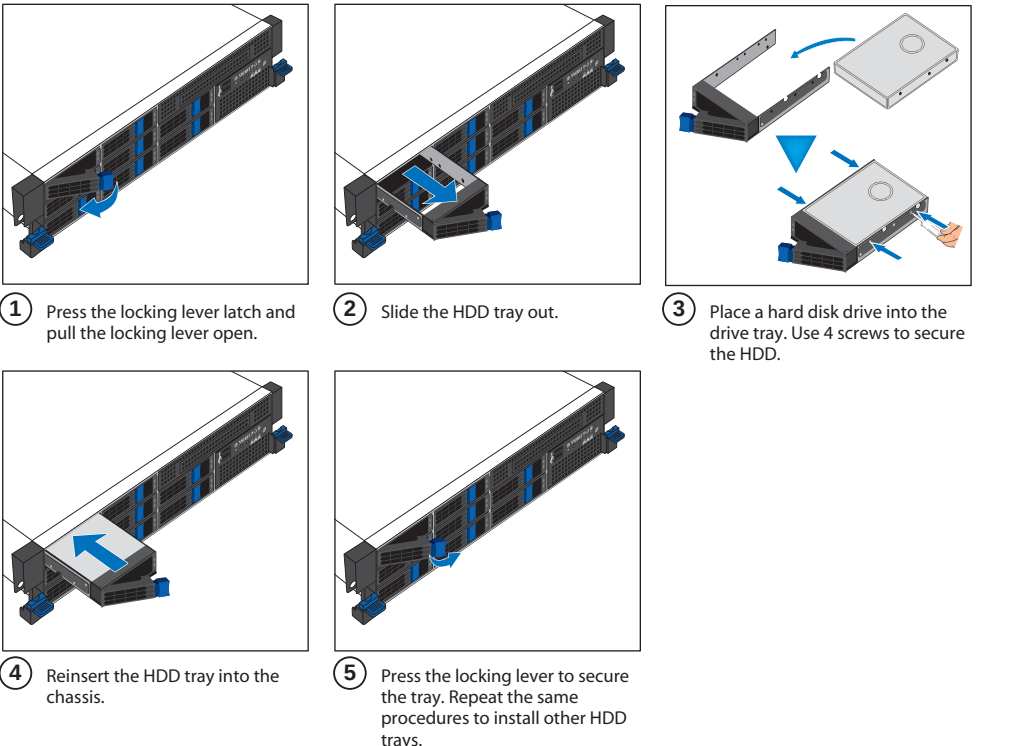
Install the Memory



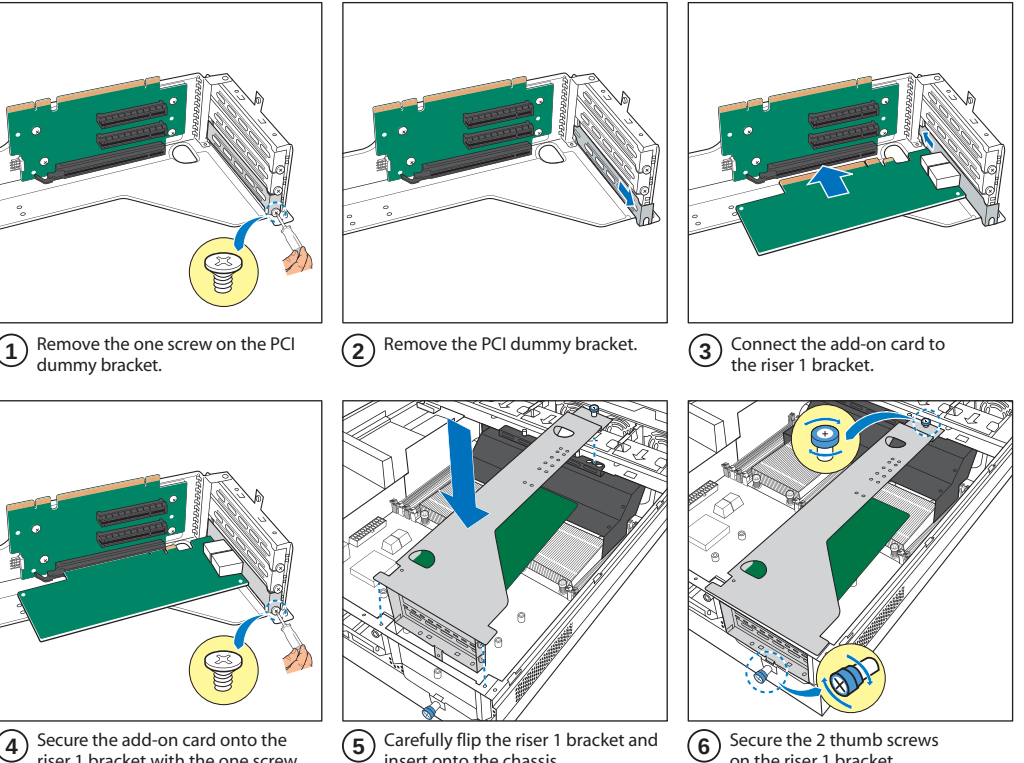
Install the Air Duct



Install 3.5" Hard Disk Drives

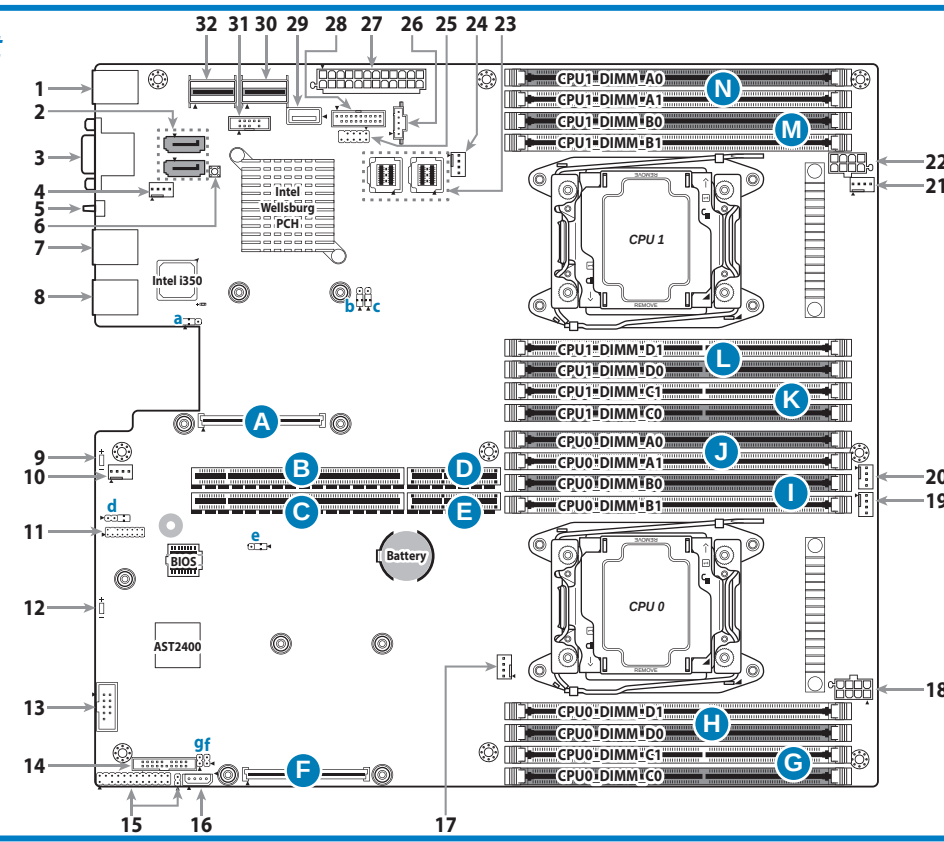


Installing the Add-On card (Optional)



2 Motherboard Placement

Motherboard Placement



CONNECTORS

- 1. LAN Port # 2 Connector
- 2. Vertical Type SATA 3.0 Connector (SATA5, up, SATA4, down)
- 3. VGA Port/COM Port
- 4. System Fan 4 Connector
- 5. ID button
- 6. Clear button
- 7. LAN Port # 1 Connector
- 8. LAN Port # 2 Connector
- 9. ID LED Button
- 10. System Fan 5 Connector
- 11. TYAN Module Header
- 12. BMC LED
- 13. COM 2 Port
- 14. Fan I/O Header
- 15. Front Panel Header/LAN Port # 2 Header
- 16. IPMB Connector
- 17. System Fan 0 Connector
- 18. Power Connector
- 19. System Fan 3 Connector
- 20. System Fan 2 Connector
- 21. System Fan 1 Connector
- 22. Power Connector
- 23. PCIe Header
- 24. System Fan 1 Connector
- 25. USB 2.0 Header
- 26. PSMI Connector
- 27. Power Connector
- 28. USB 3.0 Header
- 29. Type A USB Header
- 30. 4-in-1 Mini SAS Connector (SATA0-3)
- 31. PCH SATA SGPIO Header
- 32. 4-in-1 Mini SAS Connector (SATA0-3)

SLOTS

- A PCI-E Gen3 x8 Mezzanine card slot (CPU0)
- B PCI-E Gen3 x16 Riser card slot (CPU1)
- C PCI-E Gen3 x16 Riser card slot (CPU0)
- D PCI-E Gen3 x4 Riser card slot (CPU1)
- E PCI-E Gen3 x4 Riser card slot (CPU0)
- F PCI-E Gen3 x8 Mezzanine card slot (CPU0)
- G/H/I/J CPU0 DIMM Slots
- K/L/M/N CPU1 DIMM Slots

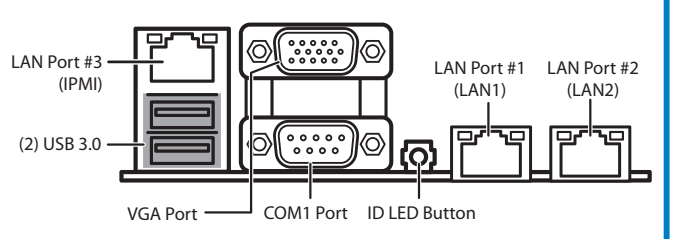
JUMPER

- a PSU Alert Disable Jumper
- b BIOS Security Jumper
- c ME Recovery Mode Jumper
- d Buzzer Disable Jumper
- e MIC Card Jumper
- f ID LED Button Header
- g Chassis Intrusion Header

NOTE: There is risk when setting the jumper by yourself.

4 I/O Ports

Locate the External I/O Port



5 Caution

CPU Cover for DOA/RMA

